



SUNPOWER s.r.o.

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Built for solar-heating system
No metal inside – no corrosion
Any size and shape possible
3000 liters up to whatever
Easy to build in every room
with single modules
15 cm insulation
80% less emission of heat
than normal tanks
Only water inside
80°C maximum temperature
Pressureless



Construction:

The reservoir is built on the right place
by single modules,
There are no problems to bring the reservoir in
any room (cellar).
These modules have two functions:
They are building the barebone
and the insulation of the reservoir.
To make the reservoir waterproof a rubber bag
will be positioned inside.
The static pressure will be took up
by the metal coat outside.



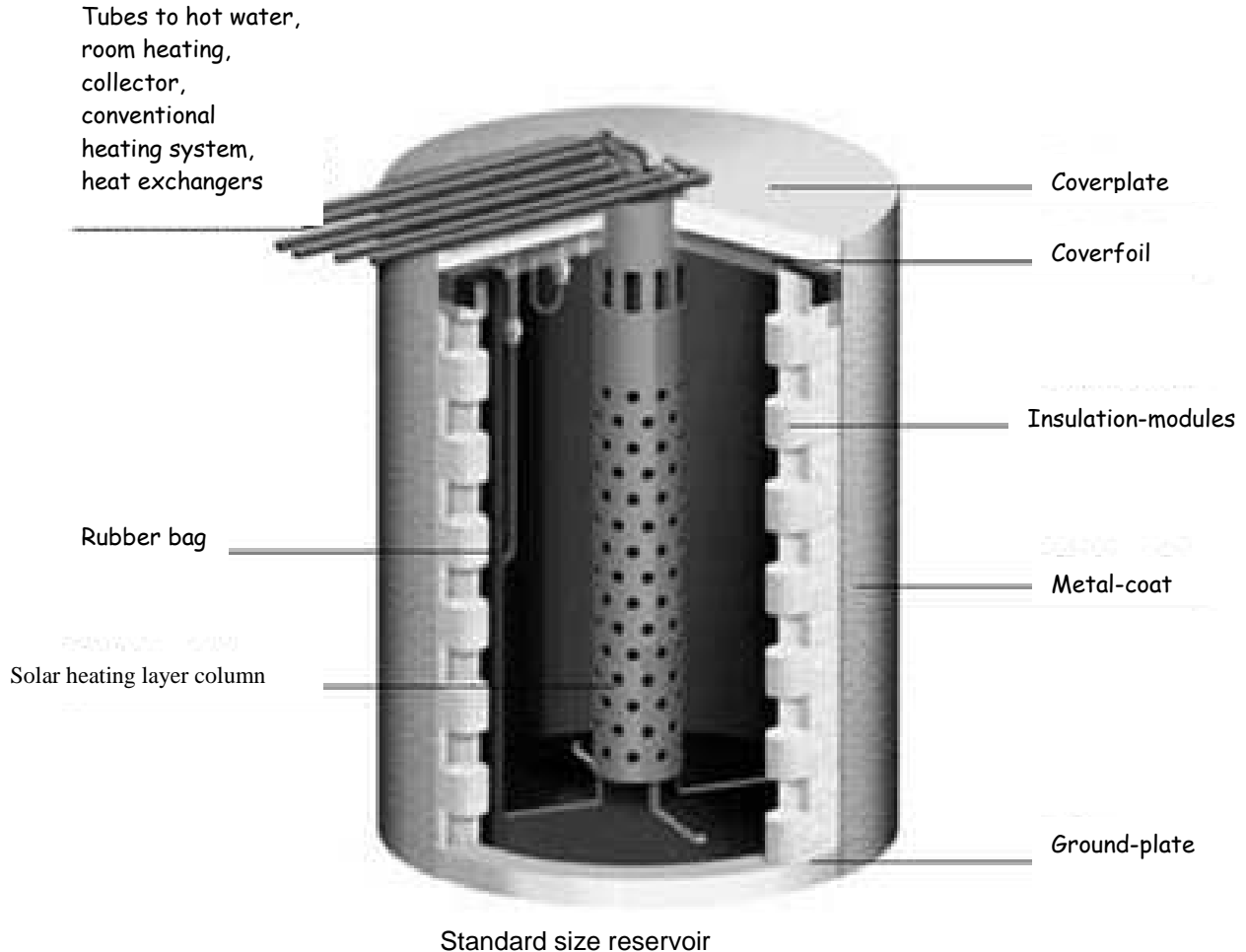


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Cross-section:



Solar heating layer column:

This part of the reservoir separates the different temperatures inside. So we are able to deliver different temperatures (heating, hot water) to the heat exchangers.

In the upper levels of the reservoir we find the layer for hot water (maximum 80°C).

In the lower levels are the layers for the low temperature heating system (climatic wall/floor).

One tank for heating and hot water.

Because of the pressureless reservoir system we need heat exchangers. This makes possible to bring fresh hot water immediately to kitchen and bathroom.



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Generals:

This reservoir can be built from standard sizes (3000 liters ; 5000 litres) up to 20000 litres with the usual metalcoat. Above 20K litres we need supporting construction to save the static load. (like picture below)

120 m³ seasonal reservoir

10 m³ daily reservoir



Solarheated car store "Seat Aschauer"

This reservoir is the basic of our future looking solar heating system. It could be built everywhere you want. In every room in your house, or outside.

Save much energy because of minimum 15 cm insulation.

Decide for a cleaner future with our solar heating system.

